

INTERNATIONAL SEARCH REPORT

Internat Application No
PCT/IB2004/052864

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L29/861 H01L21/329 H01L21/225

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LIU J ET AL: "GALLIUM NITRIDE NANOWIRES DOPED WITH SILICON" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 83, no. 20, 17 November 2003 (2003-11-17), pages 4241-4243, XP001191729 ISSN: 0003-6951 abstract	1,6-11, 14,15
A	EP 1 160 850 A (NEC COMPOUND SEMICONDUCTOR DEVICES, LTD) 5 December 2001 (2001-12-05) paragraph '0019!; figure 9 ----- -/--	1-21

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the International search

29 March 2005

Date of mailing of the International search report

05/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LIANG C H ET AL: "Selective-area growth of indium nitride nanowires on gold-patterned Si(100) substrates" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 81, no. 1, 1 July 2002 (2002-07-01), pages 22-24, XP012031779 ISSN: 0003-6951 page 22; figures 1a,3	1-21
A	US 2003/132461 A1 (ROESNER WOLFGANG ET AL) 17 July 2003 (2003-07-17) paragraph '0074!; figure 1c	11,19,20

Information on patent family members

Application No

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1160850	A	05-12-2001	JP	2001332561 A		30-11-2001
			EP	1160850 A2		05-12-2001
			US	2001042900 A1		22-11-2001
US 2003132461	A1	17-07-2003	DE	10036897 C1		03-01-2002
			WO	0211216 A1		07-02-2002
			EP	1305834 A1		02-05-2003